

# Water System Improvements Project Status Update

**Martin County Water District**

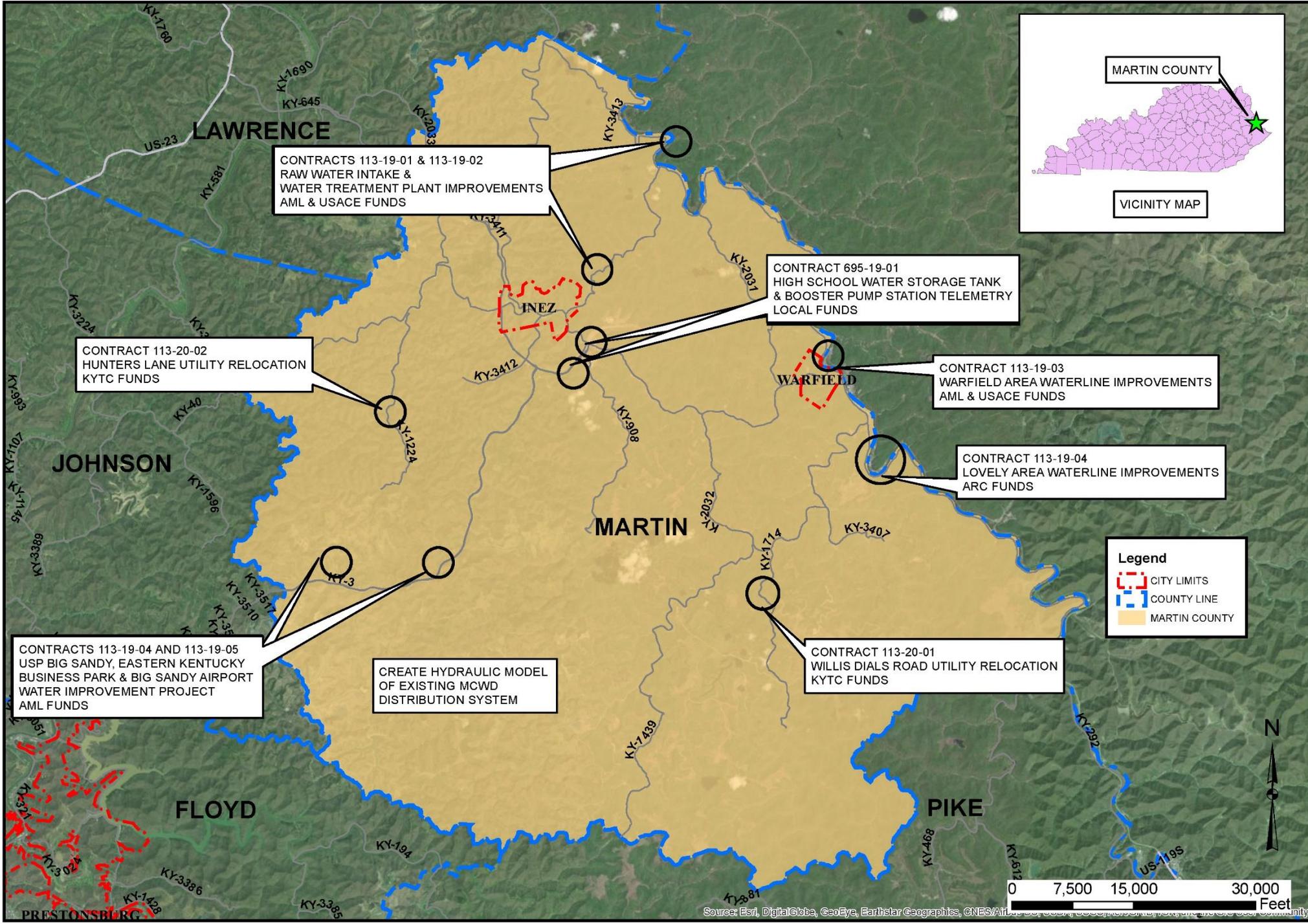
November 18, 2020

# Status Report (BSADD/Bell)

## ► Funding

- AML Pilot NEXUS Grant (2017) - \$3,450,000
- COE 531 Partnership - \$1,869,718
- ARC Grant - \$1,200,000
- AML Pilot NEXUS Grant (2018) - \$2,000,000
- KYTC Bridging Kentucky Funds - Willis Dials / Dan's Branch Road - \$38,357  
- Hunters Lane & Rockhouse Creek - To Be Determined

## ► Total Grant Funding - \$8,558,075



# Contract 113-19-01

## RWI Improvements Pump Purchase Only

### ► Purchase of:

- New 2 MG Raw Water Intake Pump with Variable Speed Drive
- New 4 MG Raw Water Intake Pump with Variable Speed Drive
- New 4,000 GPM River Screen

### ► Budget: \$601,200

### ► Funding: Abandoned Mine Lands 2017 NEXUS

### ► Status:

- Design, Bidding & Fabrication - Complete
- MCWD currently utilizing 2 MGD Pump.
- 4 MGD Pump to be placed in service upon completion of Contract 113-19-02.



# Contract 113-19-02

## RWI & WTP Improvements

### ▶ Raw Water Intake Improvements:

- Concrete Ramp & Winch System for Moving Raw Water Pumps Up & Down Slope
- Electrical Building Upgrade, Telemetry, Line Reactors and Instrumentation

### ▶ Water Treatment Plant Improvements:

- Clarifiers 1 & 3 Rehabilitation with New Valve Vault for Clarifier 1
- Replace Outside Chlorine Chemical Feed Piping & Roof On Chemical Storage Building
- Replace Master Meter
- 500 KVA on-site Backup Generator

▶ **Budget:** \$3,098,860

▶ **Funding:** Abandoned Mine Lands 2017 NEXUS & Army Corps of Engineers

# Contract 113-19-02 (Continued)

## RWI & WTP Improvements

### ► Status:

- Permits are in place.
- Authorization To Proceed with Bidding Granted.
- Project is currently out for bids.
- Schedule:

Pre-Bid Meeting for interested Contractors - December 1, 2020.

Bid Opening - December 15, 2020.

Anticipated Contract Award - Late December 2020.

Anticipated Start of Construction - Early February 2021 (300-day contract).

Anticipated End of Construction - Early December 2021



# Contract 113-19-03

## Mainline, Service Line, Meter Replacement

- ▶ **Replace in the Warfield Area:**
  - Existing Mainline
  - Existing Meters & Service Line
  - Existing Valves & Hydrants
- ▶ **Total Project Budget: \$1,260,658**
- ▶ **Funding: Abandoned Mine Lands 2017 NEXUS & Army Corps of Engineers**



# Contract 113-19-03 (Continued)

## Mainline, Service Line, Meter Replacement

### ► Status

- Permits are in place.
- Authorization To Proceed with Bidding Granted.
- Project is currently out for bids.
- Schedule:

Pre-Bid Meeting for interested Contractors - December 1, 2020.

Bid Opening - December 15, 2020.

Anticipated Contract Award - Late December 2020.

Anticipated Start of Construction - Early February 2021 (130-day contract).

Anticipated End of Construction - Mid June 2021

# Contract 113-19-04

## Mainline, Service Line, Meter Replacement

- ▶ **Upgrades in the Lovely Area include the Replacement of:**
  - Existing Mainline, Meters, Service Line, Valves & Hydrants
- ▶ **Budget: \$1,200,000**
- ▶ **Funding: Appalachian Regional Commission (ARC)**
- ▶ **Status:**
  - Project is under Construction.
  - Anticipated Completion Date: March 20, 2021



# Contracts 113-19-05 & 113-19-06

## USP Big Sandy, Eastern Kentucky Business Park & Big Sandy Airport Water Improvements

### ► Upgrades Include:

- Construction of 250,000 Gallon Water Storage Tank, New 400 GPM Pump Station and telemetry
- Upgrade of the Existing Davella Pump Station
- Master Meter & Booster Chlorination

### ► Budget: \$2,000,000

### ► Funding: Abandoned Mine Lands 2018 NEXUS

### ► Status:

- The previously selected tank site cannot be used.
- Currently evaluating three potential new sites.



# Contract 695-19-01

## High School Water Storage Tank & Booster Pump Station Telemetry

### ► Upgrades Include:

- Add telemetry to the Holly Bush Pump Station
- Add telemetry to the High School Water Storage Tank

### ► Budget: \$65,000

### ► Funding: Local Funds (Martin County Fiscal Court)

### ► Status:

- Design: Complete
- Bidding: Complete
- Award: Complete
- Materials Fabrication: Complete
- Construction: All equipment installed.



# Contract 113-20-01

## Willis Dials/Dan's Branch Road Utility Relocation

### ► Upgrades Include:

- Relocation of existing waterline to facilitate construction of a new bridge for the KYTC Bridging Kentucky Program

### ► Budget: \$38,357

### ► Funding: KYTC

### ► Status:

- Project approved by Division of Water August 13, 2020.
- Construction completed September 24, 2020.



# Contracts 113-20-02 and 113-20-03 Hunters Ln. & Rockhouse Creek Utility Relocations

## ► Upgrades Include:

- Relocation of existing waterline to facilitate construction of two new bridges for the KYTC Bridging Kentucky Program

## ► Budget: To Be Determined

## ► Funding: KYTC

## ► Status:

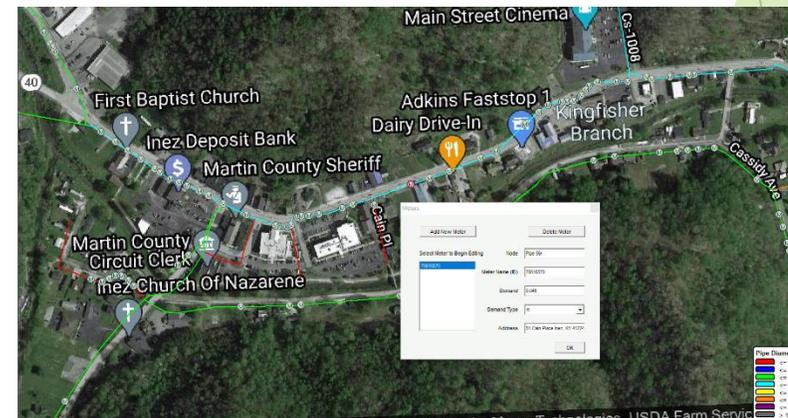
- Developing project scope with Bizzack Construction and Alliance Resources. Construction scheduled for Summer 2021.



**BRIDGING  
KENTUCKY**  
Restore | Renew | Replace

# Martin County Water District Hydraulic Model

- ▶ Prepare and Calibrate a Hydraulic Model of the Martin County Water District System
- ▶ Budget: \$100,000
- ▶ Funding: Abandoned Mine Lands 2017 NEXUS
- ▶ Status:
  - Lines, tanks and PRVs have been input into the model and location field verified.
  - Line sizes have been verified.
  - Pressure zones have been analyzed.
  - Usage data has been entered into the model.
  - Model has been calibrated with field collected data.
  - Model has been checked against field observations.



# Discussion/Questions